

ABSTRACT

A fence tape, rope or wire for transmitting an electric current to an animal that touches the fence tape, rope or wire, having a support structure and an electrically conductive conduction structure (3). The conduction structure (3) has different electrically conductive materials having mutually distinctive electrical and mechanical properties. One of the materials has a better electrical conductivity. The other material has a greater resistance to tensile and bending loads. The conduction structure (3) contains at least one composite filament having, viewed in cross section, a conduction zone (4) from the electrically better conducting material and a self-supporting support zone (5) from the better material as to tensile and bending loadability. Mechanical loading of the electrically better conductive material is limited and an electrically conductive bridge is even maintained if an interruption of the electrically better conductive material occurs. A filament (3) for use in the proposed tape, wire or rope is also described.

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